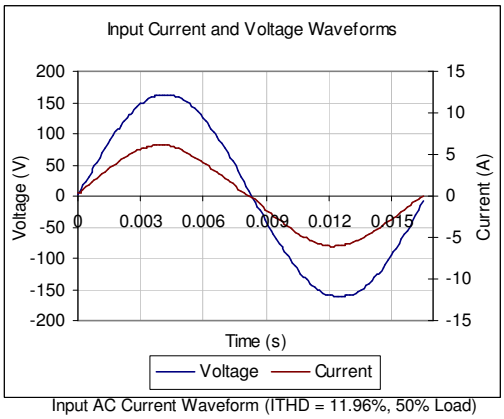
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**83.96%**
AVERAGE EFFICIENCY :	**82.49%**
80 PLUS COMPLIANT:	**YES**

Ecos ID #	162
Manufacturer	FSP
Model Number	FSP400-60PFB
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	2/6/2007

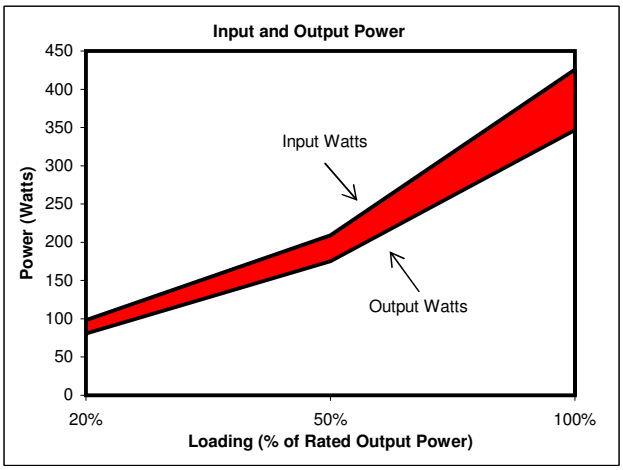
Rated Specifications	**Value**	**Units**
Input Voltage	115-230	Volts
Input Current	9~6	Amps
Input Frequency	50/60	Hz
Rated Output Power	**400**	**Watts**

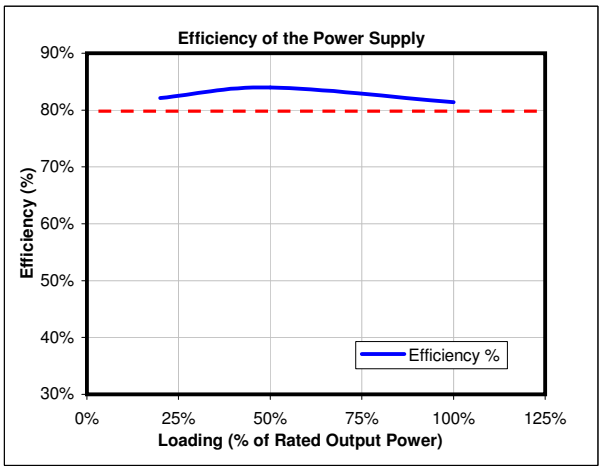
Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 11.96%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)								Output Watts	Efficiency %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
0.87	0.98	6.1%	20%	**Light**	98	12.1/2.3	12.1/2.3			12.1/0.1	3.3/2.6	5/2.6	5/0.5	81	**82.09%**
1.84	0.99	12.0%	50%	**Typical**	209	12.2/5	12.2/5			11.5/0.3	3.2/5.6	4.9/5.6	5/1.2	175	**83.96%**
3.71	1.00	7.3%	100%	**Full**	426	12/9.9	12/9.9			11.7/0.5	3.2/11.2	4.8/11.2	4.9/2.5	347	**81.41%**





These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.